

# [EMERGENCY LIGHTING EQUIPMENT WITH AUTOMATIC CHARGE/DISCHARGE AND MONITORING SYSTEM]

## Abstract

An emergency lighting equipment with an automatic charge/discharge and monitoring system is provided. The emergency lighting equipment comprises an operating mode control circuit, a rectify/voltage-divide and voltage regulation circuit, a main control unit, an illuminating apparatus and a battery. A battery discharge operating is initiated when the main control unit detects the passage of a preset period without any battery discharge operation. The main control unit also terminates a battery discharging operation when the discharge operation is completed and terminates a battery charging operation after the battery has been float-charged for a preset period of time. The emergency lighting equipment may include a battery state inspection circuit for issuing a warning signal when the battery is found to be defective.